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RESEARCH STUDY: ORGANIZATION AND DEVELOPMENT
OF ORGANIZED CONVECTION IN THE BOUNDARY LAYER

Monthly Progress Report No. 19

April 1984

Contract NAS8-34773

Prepared for the George C. Marshall Space
Flight Center, National Aeronautics and
Space Administration, Huntsville, Alabama

May 1, 1984

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I. Introduction

Contract NAS8-34773 calls for the study of the convective structures found in the Doppler lidar windfield data collected by the NASA/Marshall 1981 flight program. Digital algorithms are to be developed to recognize and quantify convective features in the measured two-dimensional windfields.

II. Current project status

No work was scheduled for April.

III. Work scheduled during May.

No work is planned for May. Hardware and software are being developed for the 1984/85 flights on another contract.

IV. Percentage completion

The estimated percentage completion of the extended contract is 27%.

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